

Figure 1 Front-end signal processing chain for mth antenna chain CDMA applications

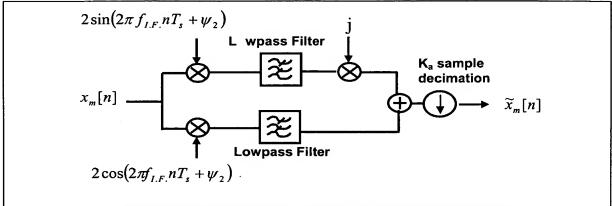


Figure 2 Complex Envelope OOK Demodulation

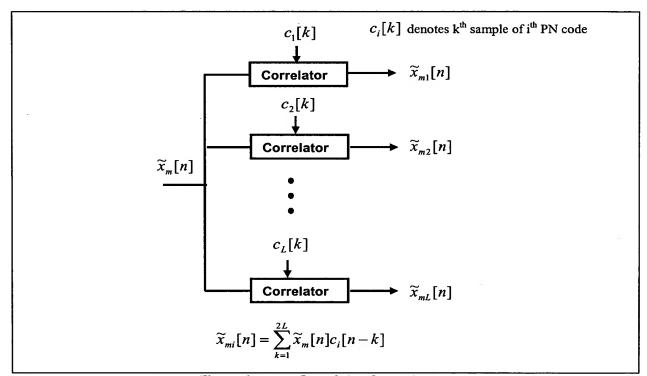


Figure 3 Correlator Operation

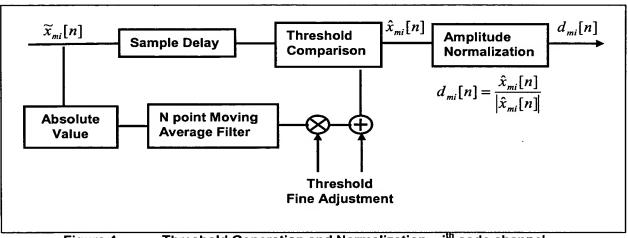


Figure 4 Threshold Generation and Normalization – ith code channel

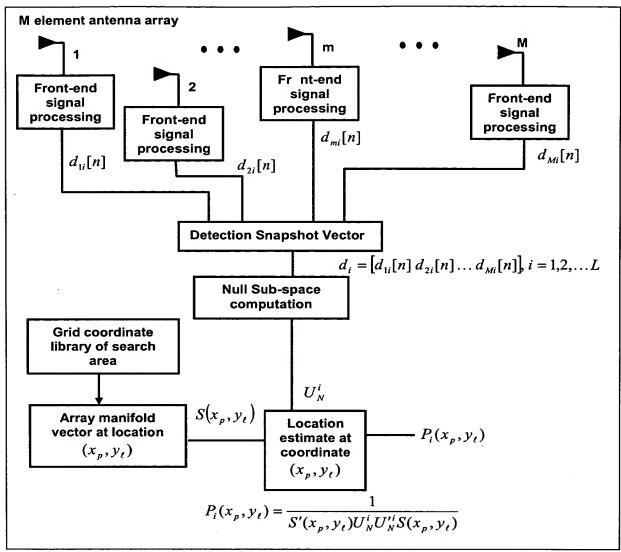


Figure 5 Radio Transmitter Location Estimation - Orthogonal Sub-space
Projection
(processing for the ith PN Code)

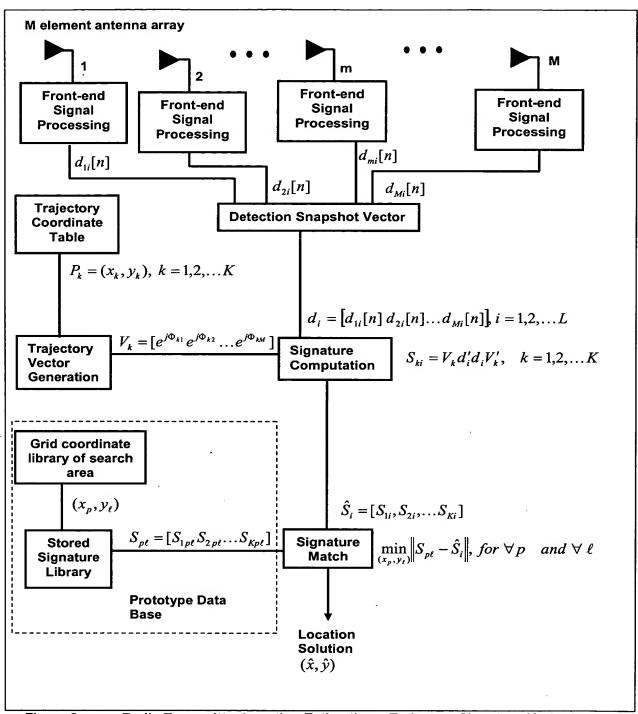


Figure 6 Radio Transmitter Location Estimation – Trajectory Signature Method (processing for the ith PN Code)

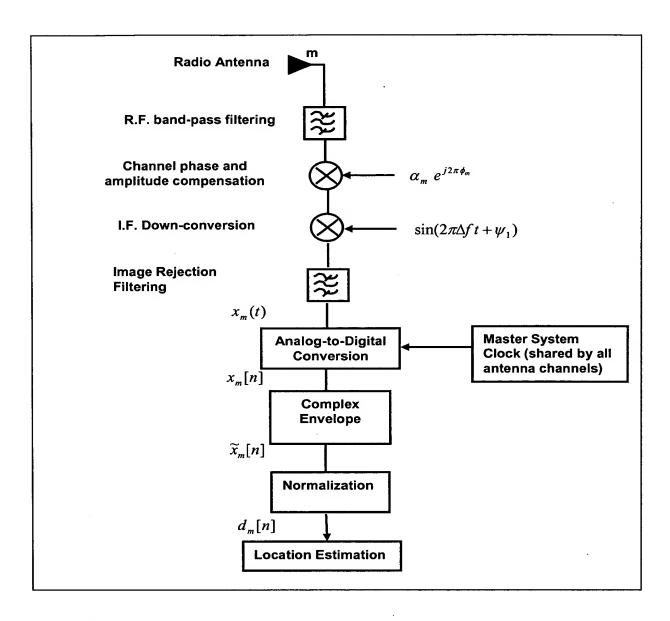


Figure 7 Front-end signal processing chain for mth antenna chain Non-CDMA applications

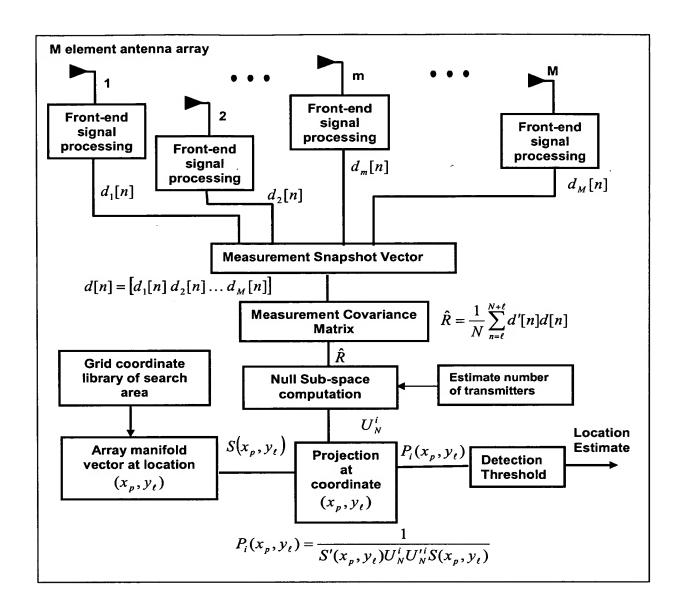


Figure 8 Radio Transmitter Location Estimation - Orthogonal Sub-space Projection
(Non-CDMA applications)

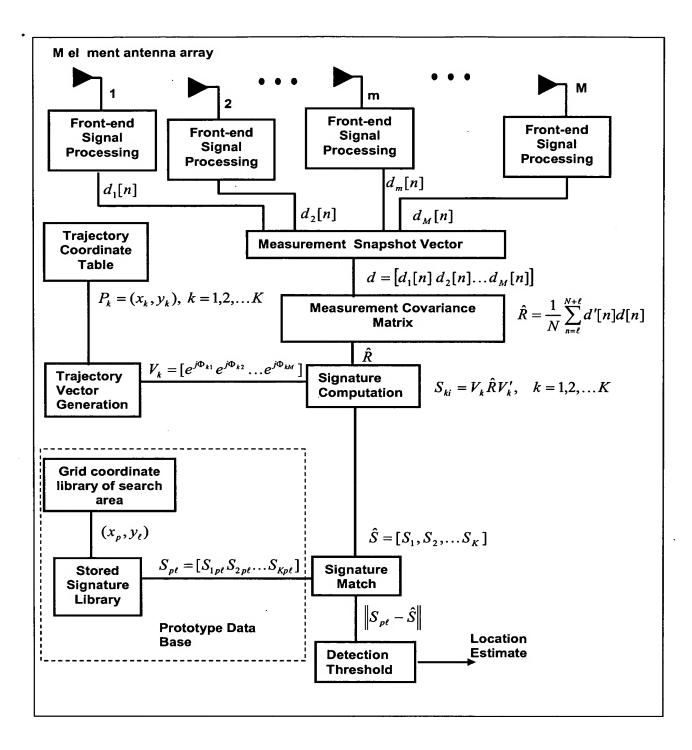


Figure 9 Radio Transmitter Location Estimation – Trajectory Signature Method (Non_CDMA processing)

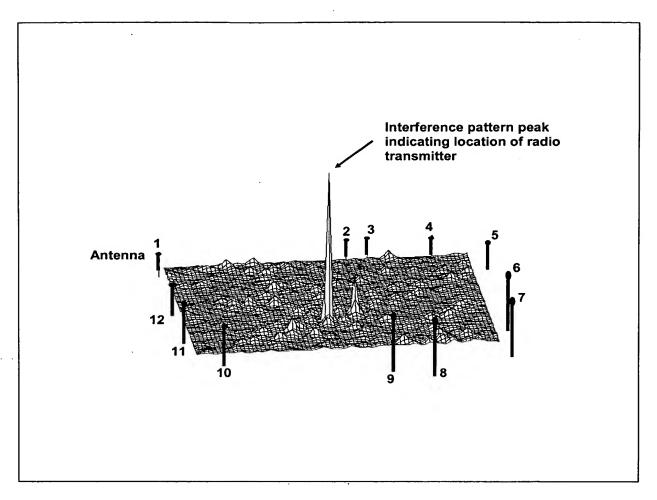


Figure 10 CDMA Interference pattern generated from a 12 element antenna array